

Application Number 09/484,974
Amendment dated October 1, 2003
Reply to Office Action of July 1, 2003

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims the application.

Listing of Claims:

1. (Currently Amended) A moving picture experts group (MPEG) decoder for producing a caption for display on a screen, said decoder producing a video stream from an externally-applied MPEG stream, the decoder comprising:

a video decoder for decoding the video stream and extracting user data from header information of the video stream, the user data indicating whether the video stream includes caption data;

a header memory for storing the user data;

a central processing unit (CPU) for (i) producing caption data by decoding the user data, (ii) determining from the user data whether the video stream includes caption data, (iii) and (ii) transforming the caption data into on-screen-display (OSD) object data, and (iv) generating an OSD Enable signal if the video stream contains caption data;

B 1
an OSD controller for receiving the OSD Enable signal and transforming the OSD object data into pixel data in response to a predetermined the enable signal and outputting the pixel data; and

a video mixer for mixing the pixel data with the decoded video data;

wherein the OSD object data is considered data transformed from caption information when a caption function is performed, and considered data for displaying non-caption OSD characters when a non-caption function is performed.

2. (Original) The MPEG decoder of claim 1, wherein the OSD controller comprises: an OSD buffer for storing the OSD object data received from the CPU; and

Application Number 09/484,974
Amendment dated October 1, 2003
Reply to Office Action of July 1, 2003

an OSD processor for reading the OSD object data from the OSD buffer and transforming the OSD object data into pixel data.

3. (Canceled)
4. (Currently Amended) An MPEG decoding method comprising the steps of:
 - (a) decoding an MPEG video stream;
 - (b) extracting user data from the header of the MPEG video stream, the user data indicating whether the video stream includes caption data;
 - (c) ~~producing caption data by~~ decoding the user data;
 - (d) determining from the user data whether the video stream includes caption data;
 - (e) transforming the caption data into OSD object data and storing the OSD object data;
 - (f) generating an OSD Enable signal if the video stream includes caption data;
 - (g) determining whether ~~an~~the OSD Enable signal has been applied~~generated~~;
 - (h) transforming the OSD object data into pixel data if the OSD Enable signal has been applied~~generated~~; and
 - (i) mixing the pixel data with video data and outputting the resultant data.